ACTA OCEANOLOGICA SINICA

Subject index to Vol. 12, 1993

Marine Hydrology

1Fronts and transport of suspended matter in the Hangzhou Bay	
Su Jilan (苏纪兰), Wang Kangshan (王康墡) and Li Yan (李 炎)	
17 ·····················Hydrographic features of the plume front in the Hangzhou Bay	
Wang Kangshan (王康墡) and Su Jilan(苏纪兰)	
29Residual currents in plume front zone of the Hangzhou Bay	
Chen Wei(陈 伟), Huang Daji(黄大吉) and Yang Zhaoqing(杨昭庆)	
39Suspended sediment transport of the Hangzhou Bay and its related hydrodynamic analyses	
Li Bogen(李伯根), Yang Zhaoqing(杨昭庆) and Xie Qinchun(谢钦春)	
51Study on fluctuations of plume front and turbidity maximum in the Hangzhou Bay by remote ser	nsing data
Li Yan (李 炎), Li Jing (李 京), Su Jilan (苏纪兰) and Ren Fuhu (任伏虎)	
169 A three-dimensional numerical calculation of the wind-driven thermohaline and tide-induced Le	ngrangian
residual current in the Bohai Sea	
Wang Hui (王 辉), Su Zhiqing (苏志庆), Feng Shizuo (冯士筰) and Sun Wenxin (孙文心)	
183On low-pass digital filters in oceanography	
Wang Jia (王 佳) and Ralph T. Cheng	
323The three-layer model of thermohaline structure in the shallow seas	
Yang Dianrong (杨殿荣)	
335Study on short-range numerical forecasting of ocean current in the East China Sea-I. Basic p	roblems of
ocean current forecasting and structure of the models	
Zhao Jinping(赵进平), Chen Zhongyong (陈宗镛) and Shi Maochong(侍茂崇)	
347Numerical simulation of fluctuation and undulation of the thermocline under tide (tidal current) action in
the Bohai Sea	
Zhang Yanting(张延廷) and Wang Yijiao(王以娇)	
475An experimental study of the relations between bispectra and nonlinear apparent features of win	nd waves

Ding Pingxing(丁平兴), Yu Zhouwen (余亩文) and Sun Fu(孙 孚)

ACTA OCEANOLOGICA SINICA

Subject index to Vol. 12, 1993

Marine Hydrology

1Fronts and transport of suspended matter in the Hangzhou Bay	
Su Jilan (苏纪兰), Wang Kangshan (王康墡) and Li Yan (李 炎)	
17 ·····················Hydrographic features of the plume front in the Hangzhou Bay	
Wang Kangshan (王康墡) and Su Jilan(苏纪兰)	
29Residual currents in plume front zone of the Hangzhou Bay	
Chen Wei(陈 伟), Huang Daji(黄大吉) and Yang Zhaoqing(杨昭庆)	
39Suspended sediment transport of the Hangzhou Bay and its related hydrodynamic analyses	
Li Bogen(李伯根), Yang Zhaoqing(杨昭庆) and Xie Qinchun(谢钦春)	
51Study on fluctuations of plume front and turbidity maximum in the Hangzhou Bay by remote ser	nsing data
Li Yan (李 炎), Li Jing (李 京), Su Jilan (苏纪兰) and Ren Fuhu (任伏虎)	
169 A three-dimensional numerical calculation of the wind-driven thermohaline and tide-induced Le	ngrangian
residual current in the Bohai Sea	
Wang Hui (王 辉), Su Zhiqing (苏志庆), Feng Shizuo (冯士筰) and Sun Wenxin (孙文心)	
183On low-pass digital filters in oceanography	
Wang Jia (王 佳) and Ralph T. Cheng	
323The three-layer model of thermohaline structure in the shallow seas	
Yang Dianrong (杨殿荣)	
335Study on short-range numerical forecasting of ocean current in the East China Sea-I. Basic p	roblems of
ocean current forecasting and structure of the models	
Zhao Jinping(赵进平), Chen Zhongyong (陈宗镛) and Shi Maochong(侍茂崇)	
347Numerical simulation of fluctuation and undulation of the thermocline under tide (tidal current) action in
the Bohai Sea	
Zhang Yanting(张延廷) and Wang Yijiao(王以娇)	
475An experimental study of the relations between bispectra and nonlinear apparent features of win	nd waves

Ding Pingxing(丁平兴), Yu Zhouwen (余亩文) and Sun Fu(孙 孚)

Marine Meteorology

63 A classification of hydrological climatic season	ns in the China seas
),Yao Shiyu(姚湜予) and Zhang Shudong(张书东)
The state of the s	
79 ······Dimethyl sulfide in the atmospheric surface la	yer of the Equatorial Pacific Ocean
Li Xingsheng (李兴生), F. Parungo, C. Nag	gamoto and S. Hoyt
93Analysis of 1989/1990 main physical fields for	or air-sea coupled system in the tropical western Pacific
Yao Huadong (姚华栋), Jiang Dayong (姜)	达雍) and Liu Yimin (刘屹岷)
207 East-west oscillation of sea temperature in th	e Equatorial Pacific and its modelling
Hu Zeyong (胡泽勇) and Tang Maocang (汤	懋苍)
219The mesoscale numerical simulation of the flo	ow field of the Hainan Island and the Leizhou Peninsula
Tu Xiaoling (涂筱玲), Zhou Mingyu (周明炽	是) and Sheng Shaohua (申绍华)
359Climatological characteristics of monsoons at	nd tropical cyclone activities over China seas and their influ-
ences on hydrological and seasonal structures	
Chen Shangji(陈上及)	
379A study on dynamical features of air-sea cou	pling waves in the tropics
Yang Xiuqun(杨修群) and Huang Shisong(黄纪平)
395The numerical simulation of Pacific Ocean cir	rculation with five-level model
Xing Runan (邢如楠) and Chao Jiping(巢红	(平)
487 The inversion of the Equatorial Undercurre	nt in the western tropical Pacific during 1986/1987 El Niño
event	
Wang Zongshan(王宗山), Jin Meibing(金梅	兵),Zou Emei (邹娥梅) and Xu Bochang (徐伯昌)
511Three-dimensional numerical prediction of v	vertical temperature structure of the Huanghai and the Bohai
Seas	
Jin Meibing(金梅兵), Wang Zongshan(王宗	R山) and Xu Bochang (徐伯昌)
521 ······ Variation of sulfate aerosol concentrations ov	er the western Pacific and their effect on clouds, radiation and
precipitation	
F. Parungo, J. Rosinski, M. L. C. Wu, C. T.	Nagamoto, Zhou Minyu(周明煜) and Zhang Ni(张 寛)
535The effects of different sea surface temperate	are distributions over the western Pacific on the summer mon-
soon properties	are distributions over the western I define on the summer more
Qian Yongfu(钱永甫)	

Hao Chunjiang (郝春江), Zhang Lin (张 林), Xue Zhenhe (薛振和) and Xie Simei (解思梅)

549 Antarctic sea ice and ENSO event

Marine Physics

- 197···················A study on remote sensing models of sea ice thickness by microwave radiometry

 Zheng Quan'an(郑全安), Zhang Dong (张 东) and Pan Jiayi(潘家祎)
- 499.......The retrieval of the nonlinear random waves from the non-Gaussian characteristics of the sea surface elevation distribution

 Liu Xin'an(刘新安) and Huang Peiji(黄培基)
- 563.....Back-scattering from rough sea surface with foams

 Jin Yaqiu (金亚秋), Huang Xingzhong (黄兴忠) and Yin Jieyi(殷杰羿)

Marine Chemistry

- 107…………The source of heavy metals and its indication to the sediment transfer in the Hangzhou Bay

 Liao Xiangui (廖先贵), Zhang Xiangjun (张湘君), Ying Shili(应时理), Wei Linying (魏琳琰) and Zhu

 Linfan(朱林范)
- 237………Distribution of moretene, sterere, fernene, hopene and dienoic carboxylic acid in marine sediments in sea area of the Southern Ocean

 Jiang Shanchun(姜善春) and Tang Yunqian(唐运千)
- 405......Zonal discrepancy of iodine in the West Pacific Ocean and its adjacent seas

 Cheng Xianhao (程先豪), Yu Guohui (余国辉) and Zhang Ping (张 平)
- 417......Gas chromatographic determination of lignin in sediment

 Fu Tianbao (轉天保), Chen Song (陈 松) and Jiang Shanchun (姜善春)
- 585......Characteristics of sulfate in atmosphere over Xiamen water and its fluxes to waters

 Huang Ziqiang (黄自强), Zhang Yuanhui(张远辉) and Chen Liqi(陈立奇)
- 597......A discussion on vertical profiles of dissolved Cu, Cd and Ni in the northwestern Pacific, south of Japan

 Wang Zhengfang (王正方) and Ohyama Junichi

Marine Geology and Geomorphology

- 133…………Relationship between the characteristics of landforms and sediments as well as the plume front in the Hangzhou Bay

 Feng Yingjun (冯应俊), Li Yan(李 炎) and Li Bogen (李伯根)
- 145......The distribution characteristics of clay minerals in the northern South China Sea

 Tang Zhili(唐志礼) and Wang Youqiang(王有强)

- 249………Study of evolution forecast of the area of the Huanghe River mouth

 Guo Yongsheng (郭永盛), Xu Xuegong (许学工), Fan Zhaomu (范兆木), Wu Peihong (吴培红) and Zhu

 Xiaoge (朱小鶴)
- 425...... A note on crustal structure beween Antarctic Peninsula and East Antarctic craton across the shelf of southern Weddell Sea

Liu Jianhua(刘建华)

- 431 ···············Foraminifera in stratigraphy and paleoenvironment

 Chen Ronghua (陈荣华)
- 573······Postglacial sea-level changes and development stages of fluvial-estuarine system

 Li Congxian (李从先)
- 605......Deposits and depositional sequence nearby Huanghe Harbour in the Huanghe River Delta

 Xue Chunting (薛春汀), Li Guangxue (李广学), S. D. Nio, J. H. Van dern Berg and A. Van Gelder
- 617…………Transgression and the sea-level changes of the western Taiwan Strait since the Late Pleistocene

 Lan Dongzhao (蓝东光), Zhang Weilin (张维林), Chen Chenghui (陈承惠), Xie Zaituan (谢在团), Yu

 Yongfen (于永芬) and Cai Feng (蔡 峰)

Marine Biology and Fishery

- 159······Ecological characteristics of the abundance and distribution of bacteria in the waters nearby the front of the Hangzhou Bay

 Shi Junxian (史君賢) and Chen Zhongyuan (陈忠元)
- 261 Studies on the role of marine bacteria in the upwelling ecosystem— I. Bacterial biomass in the upwelling regions
 - Zheng Tianling (郑天凌), Cai Lizhe (蔡立哲) and Jiang Xianquan (姜先泉)
- 273······Fauna of marine mammals in China
 Wang Peilie (王丕烈)
- 285...... Effects of heavy metal ions on larval *Penaeus chinensis* and comparative study on their elimination methods
 Yuan Youxian (袁有宪), Gao Chengnian (高成年) and Zhang Duxi (张菱溪)
- 295......Genetical study on the parthenogenesis in Laminaria japonica

 Dai Jixun (戴维勋), Cui Jingjin (崔竞进), Ou Yulin (欧毓麟) and Fang Zongxi (方宗熙)
- 445......Distribution of planktonic copepods in the Kuroshio area of the East China Sea to the southwest of Kyushu

in Japan

Lin Yuhui (林玉辉) and Yasuaki Nakamura

457…………The study of fluorescence characteristics and biochemical composition of a marine diatom *Thalassiosira*pseudonana 3H in light and dark cycle—I. The effects of light

Yang Xiaolong (杨小龙), Zhu Mingyuan (朱明远) and J. J. Cullen

Marine Engineering

465…………The joint long-term distribution of design environmental factors for offshore structures—Multivariate probabilities and simulating method

Shi Jiangang (施建例), Liu Defu(刘德辅) and Wang Zheng(王 特)

Notes

- 299······On the standard of *Penaeus orientalis* culture pond building

 Li Mingju (李明棗), Shi Ding (施 定), Li Mingde (李明橞) and Zhang Yong (张 勇)
- 309···············The stimulation on shedding reactions of sea urchins by K⁺ and Li⁺ immersion Yu Fucai (千宮才) and Ma Li (马 丽)
- 317······Distribution and ecological aspects of the Siphonophora in the middle of South China Sea

 Lin Mao (林 茂)
- 629.....Feeding habit and seasonal variation stomach contents of sand dabs, Pseudopleuronectes yokohamae, in the South Bohai Sea

Dou Shuozeng (窦硕增) and Yang Jiming (杨纪明)

